

CLAIM OR CLAIMS

WHAT IS CLAIMED IS:

1. A method of measuring frequencies of multiple sinusoidal bursts in a
5 signal comprising the steps of:
 - performing an FFT on a portion of the signal within an adaptive time-
domain window that encompasses the multiple sinusoidal bursts;
 - calculating an adaptive threshold as a function of frequency based on
data obtained from the FFT;
 - 10 applying the adaptive threshold to the FFT data to identify frequency
bins having a magnitude greater than the adaptive threshold; and
 - determining a centroid for each identified frequency bin and converting
the centroid to a frequency to provide measured frequencies for the multiple
sinusoidal bursts.

15